

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002510**Date Inspected:** 14-Jul-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See Below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

1. An inspection was requested on the OBG Counter weight External surface - 12 sets and Suspender brackets external surface - 12 sets, for DFT check and final acceptance, vide request no. 3678 at Painting workshop 2. Caltrans Engineer Mr. Aaron Prichlik have been informed and after inspecting the surface He accepted 12 sets of counter weights. Counter weight CB- 56 , This Caltrans Inspector observed some pin holes in the bottom plate, which was attended by ZPMC Personnels. This Caltrans inspector Baskar Govindarajan observed ABF inspector Mr Sun and Mr. Wei assisting this inspection by carrying out DFT readings. Mr. Aaron prichlik rejected 12 sets of suspender brackets for high DFT which is in the range of 350 to 600 which is not acceptable as per contract documents. International protective coatings technical service representative Mr. Lou Qian Chuan was found present during the course of this inspection process. Photograph showing suspender brackets in finish paint condition is attached with this report.

2. An inspection was requested for the OBG Suspender Bracket -4 sets (SB 48E, 48W, 54W, 60 E) and Reblasting of suspender brackets -2 sets (SB 52 W, SB 56E) vide inspection request no. 3682 for Interzinc 22 application and Residual chlorides test. This Caltrans inspector observed, ABF inspector Mr. Wei and Mr. Hong Cai Yan performing the Blasting inspection. The profile measured by ZPMC QC Inspectors found to be in the range of 78 to 86 microns. Residual chlorides test conducted at 1 place and the result found to be 20 us/cm. The profile range

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and salt test result found to be acceptable as per contract Documents. Minor Blasting mistakes pointed out by ABF Inspectors which was found attended by ZPMC Personnels. International protective coating representative Mr. Lou Qian Chuan was found present during the inspection process. (Photo attached)

3. An inspection was requested on the OBG Cross beam internal surface except the bottom plate (CB 10), vide request no. 3683 at the Ship in Heavy dock jetty. This Caltrans inspector observed, ABF inspectors Mr. Shi stone, Mr. Sun and Mr. Turtle performing said inspection check and accepted the same after minor touch ups in marked areas, Feathering and caulking in some corners. International protective coatings technical service representative was not found present during the course of this inspection process.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



### Summary of Conversations:

No Relevant Conversation

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Michel Ng (15921845703), who represents the Office of Structural Materials for your project.

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**Inspected By:** Baskar, Govindarajan

Quality Assurance Inspector

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**Reviewed By:** Clifford, William

QA Reviewer